



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

## NOTICE OF ACCEPTANCE (NOA)

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

Whirlwind Steel Buildings, Inc.  
P.O. Box 75280  
Houston, TX 77234-5280

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

### DESCRIPTION: Super Span X 24 Ga. (0.024" min.) Steel Wall Panels System

**APPROVAL DOCUMENT:** Drawing #14-117, titled "Super Span X, 24 Ga., Steel Wall Panel System", prepared by CBuck Engineering, dated April 15, 2014 and May 15, 2014, revision #1 dated 01/21/2016, signed and sealed by James L. Buckner, P.E., on 02/03/2016, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA #14-0618.07 and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.

H.M.  
07/14/2016

NOA No. 16-0211.05  
Expiration Date:  
Approval Date:  
Page 1

**Whirlwind Steel Buildings, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 08-0310.09**

**A. DRAWINGS:**

1. *Drawing titled "Super Span X 24 GA. Wall Details ", prepared by Terrence E. Wolfe, P.E., dated February 20, 2008, last revision dated May 29, 2008, signed and sealed by Terrence E. Wolfe, P.E., on May 29, 2008.*

**B. TESTS**

1. *Test report on: 1) Large Missile Impact Test; 2) Static Air Pressure Test; and 3) Cyclic Wind Pressure Test Pressure, prepared by Farabaugh Engineering and Testing, Inc., Test Report No. T299-07, dated 10/28/2007, signed and sealed by Daniel G. Farabaugh, P.E.*
2. *Test report on: 1000 hours in salt spray per ASTM B117, prepared by Asphalt Technologies, Akzo Nobel Coatings, Inc. dated 10/08/2002, signed and sealed by Charles L. Thomas.*
3. *Test report on: 2000 hours Accelerated Weathering per ASTM G26, prepared by Asphalt Technologies, Akzo Nobel Coatings, Inc. dated 10/08/2002, signed and sealed by Charles L. Thomas.*

**C. CALCULATIONS:**

1. *Calculations titled "Whirlwind steel Buildings Super Span X Panel", dated February 22, 2008, pages 1 through 5 of 5, prepared by Terrence E. Wolfe, P.E., signed and sealed by Terrence E. Wolfe, P.E., on February 22, 2008.*

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Building Code Compliance Office.*

**E. MATERIAL CERTIFICATIONS:**

1. *Tensile Test Report No. T299-07, prepared by West Penn Material Evaluation, dated August 20, 2007, signed by T. Anlt.*

**2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 14-0618.07**

**A. DRAWINGS:**

1. *Drawing #14-117, titled "Super Span X, 24 Ga., Steel Wall Panel System", prepared by CBuck Engineering, dated April 15, 2014 and May 15, 2014, signed and sealed by James L. Buckner, P.E., on June 16, 2014.*

**B. TESTS**

1. *None.*

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**Helmy A. Makar, P.E., M.S.**  
**Product Control Section Supervisor**  
**NOA No. 16-0211.05**  
**Expiration Date:**  
**Approval Date:**

**Whirlwind Steel Buildings, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**C. CALCULATIONS:**

1. *None.*

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Department of Regulatory and Economic Resources (RER).*

**E. MATERIAL CERTIFICATIONS:**

1. *None.*

**F. OTHERS**

1. *Letter from office of Beverly B. Kaufman, County Clerk Harris County, Texas, for name change.*

**3. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS:**

1. *Drawing #14-117, titled "Super Span X, 24 Ga., Steel Wall Panel System", prepared by CBuck Engineering, dated April 15, 2014 and May 15, 2014, revision #1 dated 01/21/2016, signed and sealed by James L. Buckner, P.E., on 02/03/2016.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS:**

1. *None.*

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Department of Regulatory and Economic Resources (RER).*

**E. MATERIAL CERTIFICATIONS:**

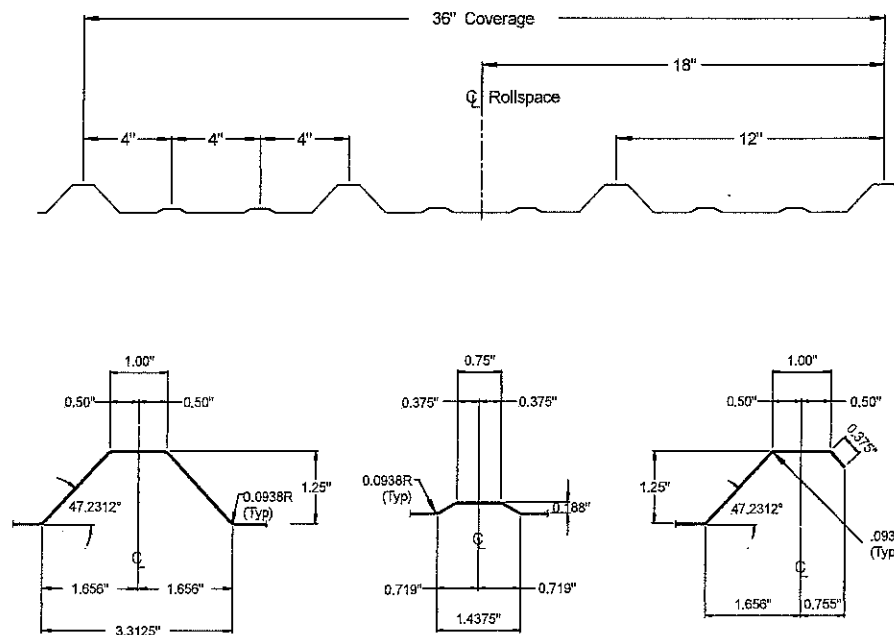
1. *None.*

**F. OTHERS**

1. *Letter of compliance with the Florida Building Code, 2014 Edition, prepared by CBuck Engineering, dated 01/21/2016, signed and sealed by James L. Buckner, P.E.*

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**Helmy A. Makar, P.E., M.S.**  
**Product Control Section Supervisor**  
**NOA No. 16-0211.05**  
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PANEL PROPERTIES					
Panel Gauge	Painted Panel Thickness	Yield Strength*	Tensile Strength*	Elongation*	Steel Coating*
24	0.024"	50 KSI	65 KSI	26.5	AZ 55
* Conform to ASTM A792 Structural Quality Grade 50					Kynar 500

#### NOTES:

- This structural wall panel system has been designed in accordance with Florida Building Code 5<sup>th</sup> Edition (2014). The design pressures as determined from section 1620 and ASCE 7-10 shall be multiplied by 0.6.
- The 24 Ga. Super Span X wall Panels shall be used for wall construction only. The actual wall project shall be constructed using the same details shown on these drawing including:
  - Details, all panel material characteristics and section with dimension and thickness.
  - Erection details including all connection fasteners with size and location.
  - Panel maximum span and pressure for the field, and end zones based on panel allowable values shown below.
- Maximum allowable panel span = 5'-0".
- The maximum allowable span and (+/-) design pressure for the Super Span X steel wall panel in the wall's field and end zones shall be based on the following panel allowable values (use smallest span for the given pressure)
  - Maximum allowable bending moment of the panel at supports = 166.25 ft-lbs.
  - Maximum allowable bending moment of the panel between supports = 93.50 ft-lbs.
  - El value of panel = 1,247,944.0 lbs-in<sup>2</sup>
  - Maximum allowable deflection for wall panels = L/240.
  - Maximum support reaction = 332.5 lbs.
- All panel sub-members shall be minimum 16 gauge (0.056"). They are not part of this approval and they shall be reviewed structurally by the structural plans examiner of the corresponding building department for each job.



#### MEMBER SCREW FOR PANEL SUPPORTS

#12-14 x 1-1/4" Zinc Hex Head "HTZ" #2 Pt. with 0.58" O.D. Seal Integral Washer, By Buildex.



#### STITCH SCREW FOR PANEL SIDE LAPS

1/4"-14 x 7/8" Zinc Hex Head "HTZ" with 0.58" O.D. Seal Integral Washer, By Buildex.



7/8" x 3/16" Butyl Tape



2-1/2" x 3/16" Tri-Bead Butyl Tape



Super Span X Inside (CS29R)  
Closures by Guardian



Super Span X Outside (CS28R)  
Closures by Guardian

*James L. Buckner, P.E.*

JAMES L. BUCKNER, P.E.  
FLORIDA P.E. #31242

2/3/16

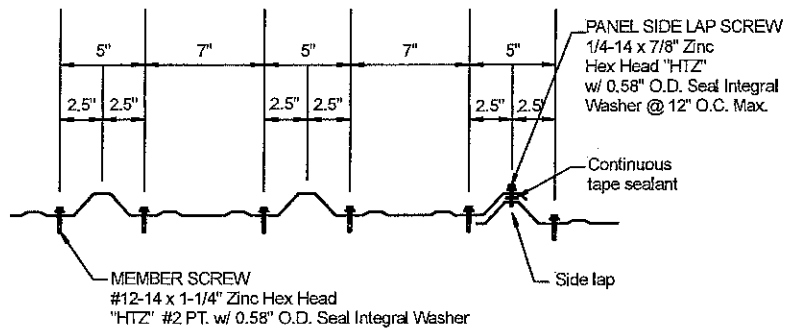
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**CBUCK Engineering**  
Specialty Structural Engineering  
CBUCK, Inc. COA #8064  
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(561) 491-9927  
2637 E. Atlantic Blvd, # 34026  
Pompano Beach, FL 33062

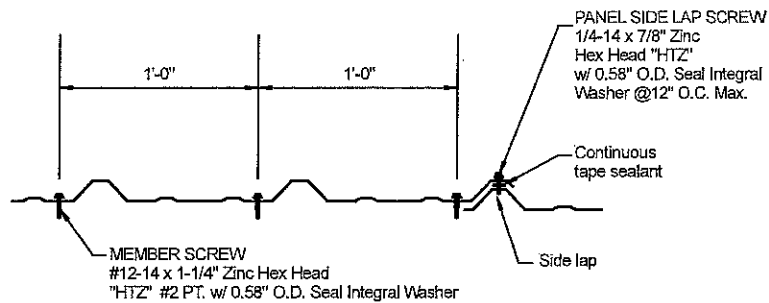


**Whirlwind Steel Buildings, Inc.**  
8234 Hansen Road  
Houston, TX 77075

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DRAWN BY: yd  
REV. 1: 1 / 21 / 16  
SCALE: N.T.S.



DETAIL AT END LAP AND PANEL LAP



DETAIL AT REMAINING SUPPORTS @ 5'-0" O.C. MAX.

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JAMES L. BUCKNER, P.E.  
FLORIDA P.E. #31242  
2/3/16

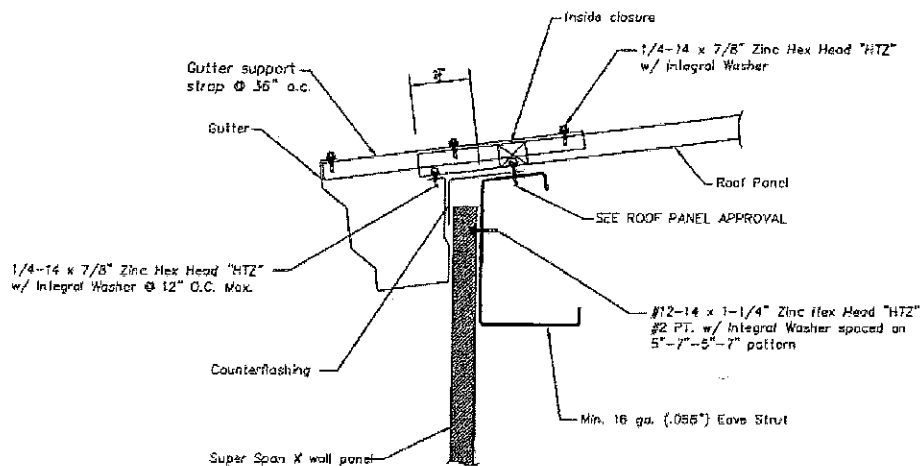
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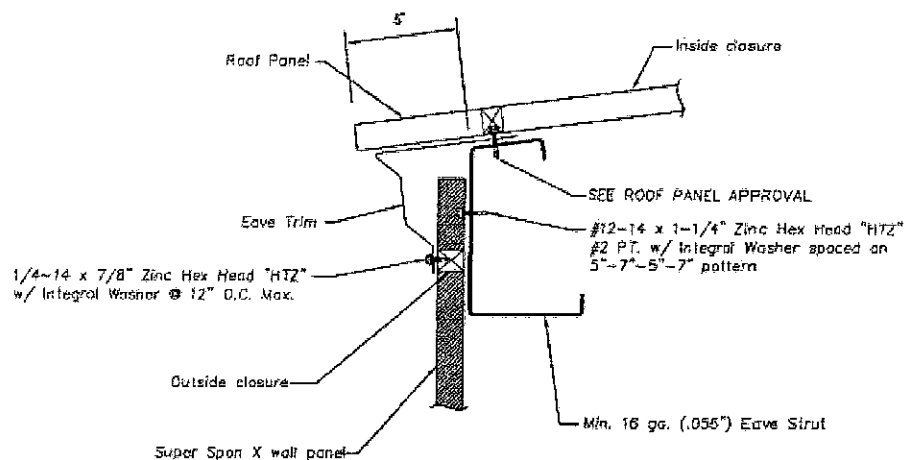


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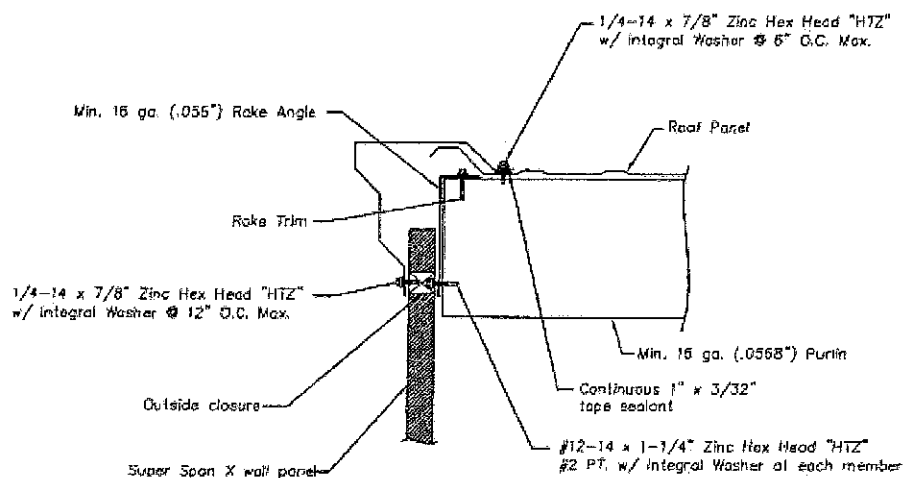
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WALL DETAIL W/ GUTTER



WALL DETAIL W/ EAVE TRIM



WALL DETAIL W/ RAKE TRIM

*James L. Buckner*  
JAMES L. BUCKNER, P.E.  
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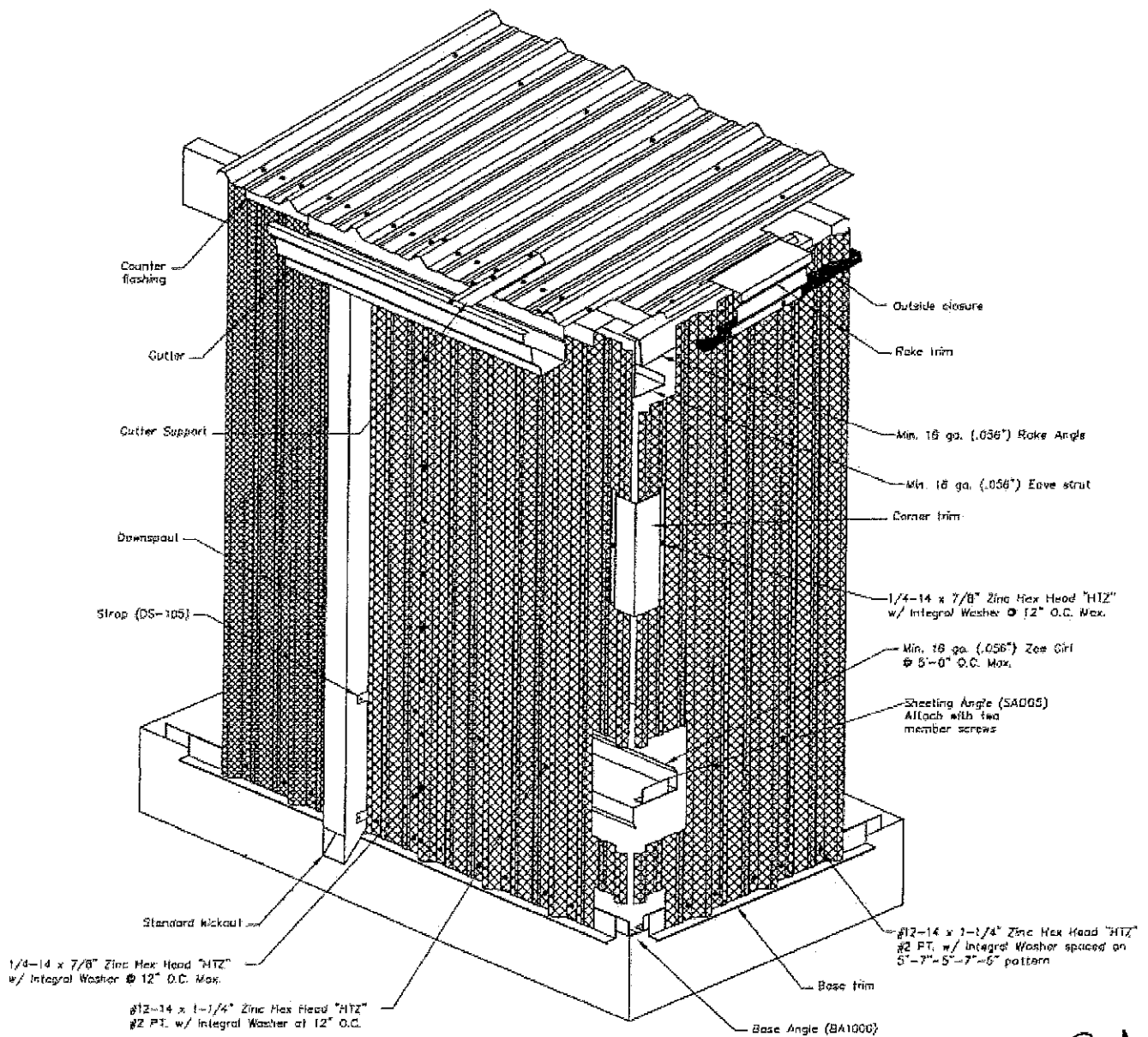
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ISOMETRIC VIEW AT CORNER OF BUILDING

*J. L. Buckner*  
 JAMES L. BUCKNER, P.E.  
 FLORIDA P.E. #31242  
 2/3/16

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